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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/797,041	03/11/2004	Toshihiro Hatakeyama	1131-0503P	4664
2292	7590	11/02/2005	EXAMINER	
BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747			ABRAMS, NEIL	
			ART UNIT	PAPER NUMBER
			2839	

DATE MAILED: 11/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/797,041

Applicant(s)

HATAKEYAMA, TOSHIHIRO

Examiner

Neil Abrams

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

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DETAILED ACTION

Title is overlong.

Drawings objected to, "prior art" figures must be so labeled, figures 11, 12. *Also*

in fig 11, pcb outline and rails should be shown.
1. In addition to Replacement Sheets containing the corrected drawing figure(s),

applicant is required to submit a marked-up copy of each Replacement Sheet including annotations indicating the changes made to the previous version. The marked-up copy must be clearly labeled as "Annotated Sheets" and must be presented in the amendment or remarks section that explains the change(s) to the drawings. See 37 CFR 1.121(d)(1). Failure to timely submit the proposed drawing and marked-up copy will result in the abandonment of the application.

2. Specification, page 19, line 1 is unclear.

3. Claim 10 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention, *see paragraph 4.*

4. Page 23, line 7, "that end face" is unclear and without antecedent basis.

5. Claims 1-9 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over ~~anticipated by~~

taken
~~31~~ Japan 2863981 alone or [^]in view of Admitted Prior Art (APA).

or lug
7. Japan, figure 3, includes a ground terminal 22 with a surface usable for pick up, a notch at 21 and connection portions ^{24, 24} along the side edges. While Japan is seen to be adequate, should issues arise use of 22 as ground ~~also~~ and portions 24, 24 for *solder* connection further taught in APA, see specification page 2, lines 24-33 with respect to

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figures 11, 12. Obvious to so use Japan lug, ²²grounding for removal of static and connection for circuit completion. Claims 2, 4 also met by Japan. For claims 8, 9 spaces between tabs 24 are read as recesses and see triangular portions at 24, figure 3(b).

8. Also note that any portion could be a pick up portion since mounter could be magnetic or fingers grip means.

9. For claims 3, 5-7, Japan, figure 3 lacks connection on the second edge portion. Japan, figure 6, terminal includes solder connections on all sides. It would have obvious to form figure 3, terminal with connections on all three available edges to increase attachment strength. Claim 7, defines obvious variations producing no stated advantage.

10. Claims 3, 6-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Japan 981 in view of Japan 11-26040.

11. See above discussion of Japan 981. Japan 040 includes connections (2b, c, d) on second end. Obvious to form 981, figure 3 device with such connections to enable opposite side soldering for easy manufacture.

12. Claims 10-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over APA in view of Japan 2863981.

13. APA discloses, figures 11, 12, a pcb 2 mounted in rails 3, 3 with, as best understood, a connection portion and a ground terminal ^{to be used} 1 on the pcb and with a hole 1c aligned with a hole 2b in the pcb. APA is seen to disclose all features recited except for terminal having a semicircular notch. Japan figure 3 uses a terminal with such a notch.

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Obvious to use such terminal in the APA system in place of ~~an~~ and in the position of terminal 1. This would simplify manufacture, *and would save material.*

14. In response applicant is asked to discuss, to extent known, uses of Japan figure 3 type terminal with respect to pcb, rails etc, as recited in claims 10, 11.

Any inquiry concerning this communication should be directed to Neil Abrams at telephone number 571-272-2089.

Neil Abrams
NEIL ABRAMS
EXAMINER
ART UNIT 322